

# AN IMPROVEMENT ON A STRAP SUPPORTING POST CAPABLE OF AUTOMATICALLY WINDING A STRAP AROUND IT

## ABSTRACT

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A speed reduction mechanism is provided to a strap supporting post having a winding mechanism capable of automatically winding a strap around it; the reduction mechanism includes a rotary member turnable together with the winding mechanism, and a stationary member secured 10 to on top of the post; the rotary member has rubbing bars pivoted to a middle part thereof; the rubbing bars are biased towards the middle part by tension springs; centrifugal force will act on the rubbing bars when the winding mechanism rotates after the strap has been released from stretched position; the rubbing bars are pivoted towards the stationary 15 member when speed of rotation of the winding mechanism is so high that the centrifugal force is greater than force of the tension springs, thus slowing down rotation of the winding mechanism, and preventing the free end of the strap from swing too fast.

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